

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM

Year: 2013

Performance Report, Section A, for Cooperative Agreement No. NA13NOS4190135
for the period from October 1, 2013 through March 31, 20

Task: 1	Dept. of Environmental Quality - Virginia Coastal Zone Management Program	Current Federal Total: \$292,519.00						
Coastal Program Management								
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u> Project Period Open						
Open	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Start:</td> <td style="width: 33%;">End:</td> <td style="width: 33%;">Closeout:</td> </tr> <tr> <td>10/1/2013</td> <td>3/31/2015</td> <td>6/30/2015</td> </tr> </table>	Start:	End:	Closeout:	10/1/2013	3/31/2015	6/30/2015	
Start:	End:	Closeout:						
10/1/2013	3/31/2015	6/30/2015						

Policy Products: The CZM Manager & Coastal Planner participated in meetings of the Recurrent Flooding Panel. The CZM Manager helped lead the Marine Debris Advisory Team meeting on Feb 7 at which reduction strategies were categorized as to their "bang for the buck," some of which include development of new policies. CZM Manager scored offshore wind energy proposals for DMME. A Coastal Policy Team meeting was held on Mar 26. Meeting notes are available at:
http://www.deq.virginia.gov/Portals/0/DEQ/CoastalZoneManagement/Virginia_Coastal_Policy_Team_Meeting_Summary_March_26_2014.pdf
The Coastal Planner worked with DCR to assist in completion of the Virginia Outdoors Plan which was officially released Apr 4.

RPCs and Amendments: CZM staff submitted a draft RPC for game, inland fisheries and boating laws and are working to revise the RPC package based on NOAA feedback. CZM staff are also moving forward on several RPC actions recommended by the Coastal Policy Team related to state-listed threatened and endangered species, nonpoint pollution control laws and local ordinances. Because of an objection by VDOT to the state T & E species RPC, staff will be briefing the Director of DEQ in order to decide how best to move forward.

Grant Administration & Reporting: A Section A, Semiannual Progress Report, a Section B Agency Report, and a Section C Success Stories Report was compiled and submitted to NOAA on Oct 31, 2013 for the reporting period of Apr – Sep 2013. Semiannual Progress reports from grantees and information for the Section B and Section C reports was gathered by CZM staff for the reporting period of October 1, 2013-March 31, 2014. The CZM Manager and Coastal Planners monitored grant activities through phone calls and site visits. And the Grants Coordinator and CZM Manager processed extension and budget amendment requests, 306 A documentation approvals, SAC removals, and reprogrammed money using the Grants Online system. The Coastal Planner led coordination of a coastal zone-wide working waterfronts workshop in February to engage stakeholders and gather input for policy development. The CZM Manager gave an opening presentation and coastal planner presented also. <http://www.deq.virginia.gov/Programs/CoastalZoneManagement/CZMIssuesInitiatives/VirginiaWorkingWaterfronts.aspx>. The Coastal Planner also worked closely with NVRC to develop the region's native plant campaign including the kick-off of several community leader workshops held in February and March, the creation of a native plant guide for the region and preparation to hire a community leader coordinator.

FY 2014 CZM Grant Application: The FY 2014 Draft application was prepared and submitted to NOAA on April 11, 2014. The FY 2014 Final application will be submitted to NOAA on April 30 via the CAMMP, Grants Online, and Grants.gov systems.

FY 2014 CELCP Grant Application: No activity this period.

Performance Measures: No activity this period.

Mid-Atlantic Regional Council on the Ocean Documents: The CZM Manager continued to participate in weekly Board calls and monthly Regional Planning Body calls the notes for which are viewable on the MARCO Sharepoint site-<http://collaborate.csc.noaa.gov/Marco/default.aspx> and BOEM website (<http://www.boem.gov/Mid-Atlantic-Regional-Planning-Body>) respectively. She reorganized the MARCO Ocean Planning Action Team into a MARCO Ocean Data & Mapping Team in order to streamline and include relevant federal agency reps given the RPB has chosen to use MARCO's portal as its primary ocean planning tool. She hosted a stakeholder engagement meeting with ports & shipping interests on Oct 2; participated in a meeting to determine how to display recreational use data from 3 different sources on the MARCO portal. She helped create and host a meeting for the new MARCO Stakeholder Liaison Committee on Mar 10. She spoke on an ocean planning panel to about 80 people after a showing of Ocean Frontiers at the VA Aquarium's IMAX theater on Mar 18 and at the 2 RPB Public Listening Sessions on Mar 20 in Norfolk.

Outreach Materials The program manager and coastal planner drafted articles for the next issue of the VA CZM Magazine covering topics on Virginia's seaside, marine debris, public access and working waterfronts. Work on this issue of the magazine will continue through the summer. The CZM Manager designed and manned a display for the Eastern Shore Birding Festival and oversaw design of and manned a 4 table exhibit on Coastal & Ocean Mapping for Virginia's General Assembly. She also participated in a press event on oyster shell recycling on Jan 31

Section 312 Evaluation Materials: A Section 312 review has been scheduled for the VA CZM program for FY 2015. The VA CZM program has begun planning for the first submission of information to NOAA due on November 15, 2014.

Final Products	% Completion	Anticipated Completion Date
Policy Products (5%)	50	Sept 30, 2014
RPCs and Amendments (5%)	50	Sept 30, 2014
Grant Administration & Reporting (45%)	50	Sept 30, 2014
FY 2014 CZM Grant Application (10%)	60	Apr 30, 2014
FY 2014 CELCP Grant Application (5%)	0 (No Virginia applicants for FY14)	
Performance Measures (5%)	0	Sept 30, 2014
Mid-Atlantic Regional Council on the Ocean Documents (15%)	50	Sept 30, 2014
Outreach Materials (5%)	0	Sept 30, 2014
Section 312 Evaluation Materials (5%)	5	Sept 30, 2014

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Task: 1.01 Virginia Institute of Marine Science - Chesapeake Bay National Estuarine Research R		Current Federal Total: \$106,015.00	
Coastal Management Support			
<u>Project status:</u>	<u>Current approved</u>		<u>Final deliverable(s) status:</u> Project Period Open
Open	Start:	End:	Closeout:
	10/1/2013	9/30/2014	12/31/2014

Progress is reported under Task 1.

Task: 1.02 Virginia Commonwealth University		Current Federal Total: \$89,815.00	
Coastal Management GIS Support and Coastal GEMS Maintenance			
<u>Project status:</u>	<u>Current approved</u>		<u>Final deliverable(s) status:</u> Project Period Open
Open	Start:	End:	Closeout:
	10/1/2013	9/30/2014	12/31/2014

- VCU CES staff performed Coastal Gems maintenance including installing software/security updates and refreshing map services as necessary. From October 1, 2013 to March 31, 2014, Coastal GEMS received 434 visits from 205 unique visitors with an average site visit time of 2 minutes and 20 seconds. Layers updated or added during the grant period include: Conservation Lands, Public Access Lands, Private Oyster Leases, and Coastal Planning District Commission Boundaries. Coastal GEMS can be accessed online at: www.coastalgems.org.
- The Coastal GIS Coordinator completed the 306A documentation required SHPO clearance request (including DHR archive search) for a CZM funded VIMS seaside restoration project.
- The Coastal GIS Coordinator helped to setup and run participatory GIS mapping sessions at recreational use mapping workshops in Southern New Jersey, November 13th-15th and in Northern New Jersey, November 19th-21st.
- The Coastal GIS Coordinator utilized participatory GIS to map potential eelgrass expansion areas on the seaside of VA's Eastern Shore during a Seaside SAMP meeting with VIMS and VMRC staff. The Coastal GIS Coordinator then made calculations comparing potential expansion to current SAV coverage, public and private shellfish grounds, and open water, and provided maps and tables of the data to VIMS staff for use in a presentation to VMRC resulting in a resolution by the commission to expand current SAV set-aside areas.
- The Coastal GIS Coordinator worked with ANPDC staff to compile and process data from 13 aerial recreational use survey flights covering the seaside of Virginia's Eastern Shore and created a series of maps summarizing the data and maps comparing weekday and weekend use for nine distinct recreational uses, as well as maps of survey flight lines.
- The Coastal GIS Coordinator ran a participatory GIS session to help introduce the Chesapeake Bay NERR Pilot Project of the Climate Change Vulnerability Assessment Tool for Coastal Habitats at VIMS Gloucester Point on December 5th, 2013.
- The Coastal GIS Coordinator participated in a workshop to discuss three recreation surveys (PGIS, Boater, and Surfrider) happening in the Mid-Atlantic, met with TNC staff to advise on available data for marsh migration parcel prioritization on Virginia's Eastern Shore, and participated in the most recent VA state agency GIS user group meeting.
- The Coastal GIS Coordinator helped to plan, prepare for, and staff a VA CZM Coastal and Ocean Mapping exhibit during the week of January 20th-24th, 2014. The exhibit included a Coastal GEMS display with updated display panels, factsheets, and a computer set up for live demos of the application that displayed screenshots of GEMS v3 features when not in use.
- The Coastal GIS Coordinator performed GIS services and produced maps as requested by VA CZM staff and partners, including converting GIS data to KMZ files for MPPDC staff to view in Google Earth, producing large scale Coastal VEVA maps of Middle Peninsula and Northern Neck, and creating a regional map for the NOVA native plant guide.

Final Products	% Completion	Anticipated Completion Date
Coastal GEMS Application Maintenance	50%	September 30th, 2014
Coastal GEMS Data Management	50%	September 30th, 2014
Coastal GIS Coordination	50%	September 30th, 2014
Coastal GEMS Training and Outreach	50%	September 30th, 2014
GIS Map Products and Services	50%	September 30th, 2014

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Task: 1.03	Dept. of Environmental Quality - Virginia Coastal Zone Management Program	Current Federal Total:	\$93,516.00
Virginia CZM Program Outreach & Publications			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u> Project Period Open	
Open	Start: 10/1/2013	End: 9/30/2014	Closeout: 12/31/2014

In an ongoing effort to coordinate and collaborate with state, federal and other partners on communication, marketing and education efforts, the Outreach Coordinator engaged in the following activities over this reporting period:

- Served on the planning committee for the Virginia Working Waterfronts Workshop held in February 2014. Coordinated a pre-workshop survey, workshop registration and other logistics. Developed and implemented a Working Waterfront media strategy with Virginia Sea Grant communications staff (resulting summary of media coverage attached), including publication of a new Virginia WW web page and a series of regional fact sheets (<http://www.deq.virginia.gov/Programs/CoastalZoneManagement/CZMIssuesInitiatives/VirginiaWorkingWaterfronts.aspx>);
- Continued to coordinate and chair the Virginia Native Plants Marketing Partnership (VNPMP) (an overview of the Virginia CZM native plant marketing efforts is downloadable from www.deq.virginia.gov/Programs/CoastalZoneManagement/CZMIssuesInitiatives/NativePlants.aspx). Collaborated with staff of the Dept. of Game and Inland Fisheries and other partners to conduct a VNPMP Forum – Growing Our Community and Cultivating Our Ideas in January 2014 (summary of event attached). The OC served on a planning team for a Native Plant Symposium at Norfolk Botanical Gardens in February 2014.
- Continued to provide guidance on development and plans for implementation of the Plant NNK Natives campaign, serving on the campaign planning team. Designed the campaign logo and drafted the new native plant guide for the region.
- Continued to coordinate ongoing implementation of the Plant ES Natives campaign, including revised ID markers for the campaign's demonstration gardens that includes QR code to the on-line native plant guide, as well as consultation with Native Plant Society staff on implementation of the Plant NNK Natives campaign;
- Continued to serve on the CSO Communications Workgroup, working with members to finalize development of a communications strategy in consultation with NOAA and CSC communications staff;
- Serving on Steering Committee formed to follow-up on goals identified during a February 2013 Collaborative Summit; Protecting Water Quality Through Actions on Urban-Suburban Properties – this committee is focused in part on enhancing communication and collaboration, and supporting the development of a community of practice, among stakeholders engaged in locally promoting and implementing best practices to protect water quality (Community-based Social Marketing is seen as an important tool to help change behaviors affecting water quality on individual urban-suburban properties.) The Virginia Native Plants Marketing Partnership and Virginia CZM's regional native plant campaigns have been identified as models as this effort moves forward. During the last 6 months, specifically working with Wetlands Watch, Dept. of Game and Inland Fisheries and Chesapeake Conservation Landscaping Council staff on obtaining partners and financial support for a new Chesapeake Bay Landscape Professional (CBLP) Certification Initiative.
- Worked with Clean Virginia Waterways to develop a proposal to the NOAA Marine Debris Program for a social marketing campaign to reduce balloon debris – the proposal scored well, but required some revision to cut funding request by half, and we have high expectations that it will be funded;
- Worked with Town of Cape Charles staff to finalize a scope of work for a new 8 panel interpretative kiosk which the OC will design.

Other media work included:

- The production schedule for a 2014 edition of the Virginia Coastal Zone Management magazine has been revised, work is on-going and a release is expected in late summer.

Other events and training included:

- Arranged Coastal GIS exhibit at GA in Jan 2014 (purchased new exhibit hardware with logo banner through this grant)
- Participated in NERRS sponsored training with Eric Eckle, Water Words That Work in Oct 2013; the Virginia Environmental Education Conference (including an exhibit) in Oct 2013; a Marine Debris Reduction Plan Focus Group in Feb 2014; Chesapeake Conservation Landscaping Council Turning a New Leaf Conference in Nov 2013.

Final Products	% Completion	Anticipated Completion Date
Multi-Media Outreach Strategies	50%	9/30/14
Printed Media	50%	9/30/14
Events and Training	50%	9/30/14
Electronic Media	50%	9/30/14

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Task: 2	Back Bay Restoration Foundation			Current Federal Total:	\$2,500.00
Virginia Beach Watersheds Forum					
<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start:	End:	Closeout:		
	10/1/2013	9/30/2014	12/31/2014		

With funding and support from the Virginia Coastal Zone Management Program and NOAA, Back Bay Restoration Foundation (BBRF) and Lynnhaven River NOW (LRNow) co-hosted the 2014 Virginia Beach Watersheds Forum on March 13, 2014, for 114 attendees comprised of BBRF members, LRNow members, Master Naturalists, students, home/land owners, Virginia Beach City officials and staff, and representatives from state and federal agencies. The Forum agenda began with a panel presentation "How Our Schools are Teaching Sustainability" with Tim Cole (Virginia Beach City Public Schools Sustainability Officer), Melani Loney (Middle School Science Coordinator), Deedra Dills (Parent and PTA Member), and Brent Horner (Landstown High School Teacher). The Forum agenda then had two break-out sessions, each included information to benefit Virginia Beach Watersheds as a whole, as well as watershed specific information. The first break-out session talks included: "Back Bay Fisheries Update" (Chad Boyce, VDGIF), "Compost Blankets for Erosion and Run-Off Control" (Chip Hall, N.O.P.E. VA), and "Virginia Beach Wildlife and Fishing Line Recycling Program" (Barbara Gipson, VBSPCA). The second break-out sessions talks included: "What Happens to Our Trash and Recycling?" (Linda Minner, V.B. Waste Management), "Diamondback Terrapin Research: Learn More About this Fascinating and Beautiful Terrapin that Lives in Our Wetlands" (Diane Tulipani, VIMS), and "How Can You Help Green Your Faith Community?" (Karen Forget and Pam Northam, LRNow, Penny Moulis, Eastern Shore Chapel, and Rev. James Christian, Bayside Christian Church). The VB Watersheds Forum concluded with a panel titled "Sea Level Rise: What Do You Think We Should Be Doing?" with Whitney McNamara (City of VB, Environment and Sustainability Office), Skip Stiles (Wetlands Watch), Mark Swingle (Homeowner and Marine Biologist), Laura Habr (Small Business Owner, Resort Area Advisory Commission), and Steve Lawson (Tidewater Builders Association).

Pertinent displays featuring area conservation/environmental non-profits including Master Naturalists, Back Bay National Wildlife Refuge, Sierra Club, and others were available to attendees throughout the day. Forum agendas and forms acknowledged VA CZMP support. Presentations from presenters will be available on the BBRF website (<http://www.bbrf.org/annual-events/vb-watersheds-forum/forum-presentation-archive/>). CDs containing PowerPoint presentations of all presentations were provided upon request. BBRF and LRNow staff and volunteers used the feedback form, discussion results and other thoughtful feedback to identify issues and format suggestions that will be used to improve future Forums. BBRF and LRNow staff plan to meet in April to discuss the results of the feedback survey.

Final Products	% Completion	Anticipated Completion Date
Forum agenda and nametags	100%	3/13/2014
Action plan	15%	7/15/2014
Website update	50%	5/15/2014
Survey and Comment Form	15%	7/15/2014

Task: 3	Dept. of Environmental Quality - Environmental Impact Review			Current Federal Total:	\$219,135.00
EIR and Federal Consistency					
<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start:	End:	Closeout:		
	10/1/2013	9/30/2014	12/31/2014		

During the first half of FY 2013, the Office of Environmental Impact Review/Federal Consistency (OEIR) reviewed 84 development projects and management plans for consistency with the Virginia Coastal Zone Management Program (VCP). This represents 79.2% of the total amount of projects (106) reviewed during this period. Major state projects accounted for 14 projects, 53 were federal actions, and 17 were federally funded projects (predominantly local government projects). The 53 federal projects included 28 federal agency activities, 19 federal licenses and approvals, and 6 projects submitted under the residual category pursuant to the federal consistency regulation (15 CFR 930.31©) (included 5 U. S. Department of Housing and Urban Development (HUD) mortgage insurance projects, and 1 from USDA Rural Development. All federal consistency determinations and federal consistency certifications were completed within the established legal deadlines.

The OEIR provided informal training on federal consistency requirements to consultants who prepare consistency documents for federal agencies and applicants for federal permits. The OEIR continues to maintain a website for Federal Consistency Reviews and can be accessed through DEQ's main webpage or found at <http://www.deq.virginia.gov/Programs/EnvironmentallImpactReview.aspx>. The OEIR webpage is updated weekly.

Final Products	% Completion	Anticipated Completion Date
Federal consistency determinations and certifications responses	50	9-30-14
Consistency outreach effort (one-on-one consultations with agencies)	50	9-30-14

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Task: 4	Dept. of Environmental Quality	Current Federal Total:	\$0.00
Water Quality Improvement Fund (WQIF) Match- City of Richmond Wastewater Treatment Plant Nutrient Removal Upgrade			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start: End: Closeout:		
	10/1/2013 9/30/2014 12/31/2014		

Construction of the City of Richmond's wastewater treatment plant upgrade with enhanced nutrient removal technology continues. Construction began in December 2008 and is scheduled for completion by July, 2015. To-date, \$40,747,860 of the \$50,131,031 grant has been paid to the City.

In the period since October 2013, reimbursements totaling \$6,523,541 have been made to the City for this project, which exceeds the \$853,038 in State General Funds needed to provide a match for the Coastal Zone Management Program.

Final Products	% Completion	Anticipated Completion Date
Certificate to Operate – City of Richmond nutrient reduction upgrade	81%	July, 2015

Task: 5	Virginia Marine Resources Commission	Current Federal Total:	\$160,000.00
Permit Review & Compliance			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start: End: Closeout:		
	10/1/2013 9/30/2014 12/31/2014		

During the reporting period, VMRC received a total of 863 joint permit applications. Actions were completed on 881 projects, some of which were received prior to the reporting period. During the reporting period, 135 compliance inspections were conducted for previously issued permits. Also, 32 compliance inspections for the random sample of 130 projects permitted by local wetland boards were completed.

During the reporting period, local wetland boards throughout Tidewater Virginia acted on 179 projects involving tidal wetlands. Of this total, 129 were approved as proposed, 42 were approved as modified, 3 were denied, 3 are pending, 2 were inactivated, 1 no permit was required, and 36 required compensation either on or off site (22), or through payment of an in lieu fee (14) accounting for 9,076 square feet of tidal wetland impacts.

Final Products	% Completion	Anticipated Completion Date
Collect permit Compliance data for projects permitted by VMRC	Ongoing	
Collect permit Compliance for wetland projects permitted in 2012	25 %	September 2014
Compile data for entry into database	50%	September 2014

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Task: 6	Dept. of Conservation & Recreation - Natural Heritage			Current Federal Total:	\$50,000.00
Habitat Conservation/Locality Liaison					
<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start:	End:	Closeout:		
	10/1/2013	9/30/2014	12/31/2014		

- The Locality Liaison held training sessions in October and December of 2013, January and February of 2014 for three localities, four consultants and three state agencies training forty-six individuals. The presentations included an overview of DCR's Natural Heritage Program, the Locality Assistance Program, the Virginia Conservation Vision, Landscape, the Wetlands Catalog, Virginia Ecological Value Assessment and hands-on training on the Upgraded Natural Heritage Data Explorer (NHDE), which now includes the Species and Community Database Search and the Land Conservation Data Explorer .

- For 10/01/13 through 3/31/14, 466 projects were reviewed for impacts to natural heritage resources in the coastal zone (45% of the projects reviewed statewide). 187 projects were submitted through the website representing 40% of the coastal projects submitted.

The Army Corps of Engineers requested a review of an Environmental Assessment of a storm damage reduction project at Willoughby Spit and Vicinity. DCR noted the potential for disturbance of black skimmers and several nesting terns during the construction. DCR recommended time-of-year restrictions for activities proximal to a known nesting colony and that construction be limited to the time period of August 30 to April 1 and coordination with VA Department of Game and Inland Fisheries (VDGIF) due to the legal status of the Gull-billed tern and coordination with VDGIF and U. S. Fish and Wildlife Service (USFWS) due to the proximity of a state and federally listed species.

The DEQ requested a review of the National Park Service, Dyke Marsh Wetland Restoration and Long-term Management Plan. The project is in a conservation site that includes three rare plants, and DCR recommended an inventory for Sensitive joint-vetch that has a potential to occur at the site. In addition, DCR recommended coordination with the USFWS for the Sensitive joint-vetch and with VDGIF due to the proximity of a state listed species.

- 84% of the localities, 100% of the Planning District Commissions and 66% of the Land Trusts in the coastal zone, have Natural Heritage data.

Final Products	% Completion	Anticipated Completion Date
Project Review	50%	September 30, 2014
Locality Assistance Program Presentations	50%	September 30, 2014
Improvements to Natural Heritage Tools	50%	September 30, 2014
Final Report	0%	September 30, 2014

Year: 2013

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Task: 7	Virginia Institute of Marine Science - Center for Coastal Resources Management	Current Federal Total:	\$42,000.00
Tidal Wetlands Management Technical Support			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u> Project Period Open	
Open	Start: End: Closeout:		
	10/1/2013 9/30/2014 12/31/2014		

Product #1, General Technical Guidance:
 Tidal wetland or beach/dune jurisdictional determinations = 3
 Living Shoreline questions = 12
 JPA review & comments = 22
 Other advisory requests = 67
 Total = 104

Product #2, Outreach Education:
 10/03/13 – HRPDC Joint Environmental Committee – CCRMP Orientation – 18 people
 10/14/13 – City of Newport News – CCRMP Orientation – 11 people
 10/15/13 – Nansemond River Preservation Alliance – Shoreline Inventory & TMI – 80 people
 10/16/13 – Northampton County LWB – CCRMP Orientation – 10 people
 11/07/13 – LWB Training (Charles City, Ne Kent, James City, King William) – Shoreline BMP's & CCRMP's – 40 people
 11/19/13 – West Point LWB – Shoreline BMP's – 8 people
 02/05/14 – Mathews LWB – CCRMP Orientation – 8 people
 9 certificates of completion were issued for the Shoreline Best Management Practices Online Course
 CCRM e-News Oct 2013 (Adaptive Planning for Flooding & Coastal Change in VA)
 CCRM e-News March 2014 (May 22nd Workshop Announcement)
 Virginia Wetlands Report, Vol 29 - Issue1 (Living Shorelines Summit, Research & Workshop)
http://ccrm.vims.edu/publications/publications_topics/vwr/vwr_2014_spring.pdf
 Rivers & Coast, Vol 9 - No 1 (New Guidance for Local Wetlands Boards)
<http://ccrm.vims.edu/publications/pubs/rivers&coast/RC414.pdf>

Product #3, Public Permit Records Website Report:
 Website Activity/Hits
 Oct – 33, Nov – 35, Dec - 39, Jan - 18, Feb - 13, Mar - 29
 The Center for Coastal Resources Management continues to post Joint Permit Applications with VRMC assigned numbers in a searchable database on our website. To view the original shoreline permit applications, as well as the associated VIMS report, additional information, photos, and public hearing information please see:
<http://ccrm.vims.edu/perms/newpermits.html>

Final Products	% Completion	Anticipated Completion Date
Product #1, General Technical Guidance	50%	30 Sept 2014
Product #2, Outreach Education	50%	30 Sept 2014
Product #3, Public Permit Records Website Report	50%	30 Sept 2014

Task: 8	Virginia Institute of Marine Science	Current Federal Total:	\$60,000.00
2013 Submerged Aquatic Vegetation Distribution and Abundance Survey of Virginia's Chesapeake Bay and its Tributaries			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u> Project Period Open	
Open	Start: End: Closeout:		
	10/1/2013 12/31/2014 3/31/2015		

VIMS successfully completed the acquisition of aerial photographs of the entire bay and tributaries and coastal bays for the 2013 SAV annual survey.

VIMS also successfully completed ortho-rectifying all flightlines, mosaicing all the quadrangles, and photo-interpreted SAV on all quadrangles for the Chesapeake Bay. VIMS submitted the baywide 2013 SAV numbers on April 1. The 2013 SAV data can now be viewed at: <http://web.vims.edu/bio/sav/sav13/index.html> and also on our interactive map: <http://web.vims.edu/bio/sav/maps.html>.

Final Products	% Completion	Anticipated Completion Date
Draft Final Report	50%	July, 2014
Final Report	0%	Dec., 2014

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Task: 9	Dept. of Conservation & Recreation - Natural Heritage			Current Federal Total:	\$27,000.00
Healthy Waters Initiative and VNEMO Program in Coastal Zone					
<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start:	End:	Closeout:		
	10/1/2013	9/30/2014	12/31/2014		

For the grant reporting period, the Environmental Scientist/Analyst with the Virginia Commonwealth University Center for Environmental Studies in the Department of Life Sciences continued to serve as the Program Manager of the Virginia Healthy Waters Program and the Virginia Coastal Nonpoint Source Pollution Control Program (CNP), Virginia Network of Education of Municipal Officials Program (VNEMO) at the Virginia Department of Conservation and Recreation. The VCU Environmental Analyst/ Program Manager focuses these efforts to expand the implementation of the programs and directs workshops and educational opportunities to local decision makers. Through the VNEMO Program, the Program Manager also directs research and education on innovative stormwater management technologies at the Science Museum of Virginia.

During the reporting period, significant effort was placed to advance the VA Healthy Waters Program. The positioning in the VDCR Division of Natural Heritage has been a significant gain for the Program. Programmatically, the assessment of program resources and needs was conducted through a staff analysis. Data gaps and data integration were the two focal areas of the analysis with immediate needs to integrate existing INSTAR data into the NHD data explorer and the creation of new EOs and Stream Conservation Units (SCUs). Additionally, the data gap was identified to be focused in the resources outside of the Chesapeake Bay except for the recent USEPA Section 319 funding to support the collection of data in the Chowan basin to develop a Watershed Protection Plan following the Section 319 a-l criteria for watershed restoration. Discussions included the improvement in program capacity by adding two field staff to the Program through a focused training in the 2014 sampling season. This improved capacity will permit the collection of data by additional field personnel aside from specific grant related activities. The collection of data will be in the raw form still requiring the development of models to interpret such information to make relevant to the Program as a whole. The development of an INSTAR model is typically done on a basin scale to provide for comparable results within a defined area. The collection of raw data will permit an additional cataloging of resources to further inform the development of an INSTAR model when resources are present for the specific region or basin. This increased capacity in the program is a critical advancement in the program and further solidifies the relationship of the Program to that with the Division of Natural Heritage. The Program Manager began working directly with the data management team of DNH to update and integrate the Healthy Water Program Web presence to be fully represented by the DNH.

The Program Manager continued to coordinate directly with the VA Department of Environmental Quality, the USEPA, NOAA, Nature Conservancy and other partners to advance the Program. Specifically, the Program Manager participated in the VADEQ Nonpoint Source Prioritization Planning process, discussions and public meetings. VDEQ continued to recognize the Program residence at the NHD as a means to advance their program needs to achieve aquatic resource identification and protection efforts. While water quality conclusions can be made from these data and the Program, it continues to function as a component to supplement the land conservation and resource identification efforts in the Commonwealth through DNH based on the collection of aquatic community data. The Healthy Waters Program has clearly identified in the Virginia Chesapeake Bay Goals and NPS Planning Processes as critical tools for Virginia.

Final Products	% Completion	Anticipated Completion Date
Healthy Waters Initiative and VNEMO Program Final Report	20%	Sept, 2014

Task: 10	Dept. of Conservation & Recreation			Current Federal Total:	\$98,500.00
Acquisition of Dune Woodlands Adjacent to Pickett's Harbor NAP					
<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u>	Project Pending
Pending	Start:	End:	Closeout:		
	5/1/2014	12/31/2014	3/31/2015		

The Southern Tip partners held a two day meeting November 20-21 to share experiences in restoring habitats at various parks and natural areas - many of which were funded by FY 2011 CZM grants. As part of the agenda, a field trip was taken to Picketts Harbor Natural Area Preserve where hundreds of wax myrtles had been planted and where adjacent lots have been placed for sale. These adjacent lots contain old maritime forest on a an ancient dune bluff. The lots, about 2 acres, extend inland and back up to the Preserve. After researching the availability and sale price further, at the next meeting of the Southern Tip partners on February 20, it was decided that FY12 and FY13 CZM land acquisition funds should be used for purchase of one or more of these lots given their high priority location and their "extraordinary" ranking in the VA Ecological Value Assessment. DCR has begun developing the 306A documentation for acquisition (including the appraisal) and expects to have all required documentation submitted to the CZM Program by Sep 30 2014.

Year: 2013

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA13NOS4190135
for the period from October 1, 2013 through March 31, 20

Task: 11	Virginia Institute of Marine Science	Current Federal Total: \$161,000.00						
Seaside Restoration								
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u> Project Pending						
Pending	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Start:</td> <td style="width: 33%;">End:</td> <td style="width: 33%;">Closeout:</td> </tr> <tr> <td>4/1/2014</td> <td>3/31/2015</td> <td>6/30/2015</td> </tr> </table>	Start:	End:	Closeout:	4/1/2014	3/31/2015	6/30/2015	
Start:	End:	Closeout:						
4/1/2014	3/31/2015	6/30/2015						

The contract package has been mailed, but the signed contract has not yet been received. The start date for the project was April 1, 2014.

Task: 41	Accomack-Northampton Planning District Commission	Current Federal Total: \$30,000.00						
A-NPDC Technical Assistance Program								
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u> Project Period Open						
Open	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Start:</td> <td style="width: 33%;">End:</td> <td style="width: 33%;">Closeout:</td> </tr> <tr> <td>10/1/2013</td> <td>9/30/2014</td> <td>12/31/2014</td> </tr> </table>	Start:	End:	Closeout:	10/1/2013	9/30/2014	12/31/2014	
Start:	End:	Closeout:						
10/1/2013	9/30/2014	12/31/2014						

Climate Adaptation Working Group

A-NPDC has held 2 CAWG meetings. The group coordinated a regional marsh migration model and the development of a regional research facility at NASA-Wallops.

Coastal Management Trainings

A-NPDC has successfully directed 3 events that reached 41 people and involved 4 stakeholder groups. Trainings have included educational activities regarding sea level rise and ground water and a coordination event for the development of the Shore Big Trees program, which will promote planting of native deciduous hardwoods in the region.

Technical Assistance

A-NPDC coordinated a GIS Users Group to provide training, information, and a forum for data sharing within the region. A-NPDC served on local & state committees, including the ES Environmental Education Council, ES Resource Conservation & Development Council, ES Watersheds Network, VA Secure Commonwealth Panel Recurrent Flooding Subpanel, and VCZM Coastal Policy Team. A-NPDC participated in VA Coastal PDC meetings and leveraged the development of 3 NFWF Coastal Resiliency Grant Proposals and local County funding for litter control and recycling activities in the region.

Ground Water Committee

A-NPDC held 4 Committee meetings. The committee has reviewed 11 groundwater withdrawal permits, submitted 4 letters of comment for permits, submitted 2 letters of commendation to agricultural water users of the unconfined aquifer, and completed reviews of 6 relevant research publications. The committee submitted 3 comments regarding proposed amendments to state ground water regulations. The committee completed its update to the 20 year old ESVA Ground Water Supply Protection & Management Plan and presented the Plan to Accomack & Northampton Cos. for approval. The committee completed a ground water quality study in 2 communities in partnership with Randolph-Macon College. The committee awarded the 2013 Ground Water Award to the ES Rural Health Onley Community Health Center for their exemplary conservation and stormwater management efforts. The Committee ran a simulation of a groundwater model scenario for a hypothetical withdrawal in Northampton Co. to determine potential supply and quality concerns for the area.

Uniform Land Preservation & Policy Report for Northampton County & Accomack County

A-NPDC has held initial discussions with stakeholders to determine an appropriate stakeholder meeting agenda. A-NPDC has compiled initial information regarding how lands protected by conservation easements impact local government protection measures and which land preservation tools are appropriate for long term planning horizons in the region.

Benefits Accrued from Prior CZM Grants Report – no activity to report

Final Products	% Completion	Anticipated Completion Date
Climate Adaptation Working Group Report	50%	9/30/2014
Coastal Management Training Report	75%	9/30/2014
Technical Assistance Report	50%	9/30/2014
Ground Water Committee Report	50%	9/30/2014
Uniform Land Preservation & Policy Report	50%	9/30/2014
Benefits Accrued from Prior CZM Grants Report	0%	9/30/2014

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM

Year: 2013

**Performance Report, Section A, for Cooperative Agreement No. NA13NOS4190135
for the period from October 1, 2013 through March 31, 20**

Task: 42	Crater Planning District Commission			Current Federal Total:	\$30,000.00
Crater PDC Technical Assistance Program					
<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start:	End:	Closeout:		
	10/1/2013	9/30/2014	12/31/2014		

(1) Crater PDC staff processed 8 environmental impact reviews for local, state, and federal projects. (2) Three coastal meeting/training sessions were held during the reporting period (10/24/13, 1/10/14, 3/14/14). Topics of discussion were practical grant seeking, the Virginia Certified Planning Commissioner Program, the Beaches to Bluegrass Trail, the Southern Crater Region Solid Waste Plan, the proposed VCU Development Tracker, the Fort Lee Joint Land Use Study, and the Crater PDC Rural Transportation Planning Program. (3) Crater PDC staff coordinated and administered regional review of the Beaches to Bluegrass Trail. (4) Commission staff participated in several environmental planning efforts pertaining to stormwater regulations, solid waste and recycling, the Albemarle-Chowan Watershed, and the Middle James Round Table. (5) Crater PDC staff continued to provide technical support to FOLAR – Friends of the Lower Appomattox River. This included hosting meetings, providing website maintenance, preparing brochures, and preparing and submitting grant proposals. Staff also assisted FOLAR with its scheduled 3/29/14 river clean up day and its continued strategic planning process. (6) Staff continued work on producing internet and smart phone applications for the Appomattox River Interpretive Guide.

Final Products	% Completion	Anticipated Completion Date
Environmental Impact Review Comments	50%	9/30/14
Coastal Meetings	50%	9/30/14
Coastal Training	50%	9/30/14
FOLAR Assistance	50%	9/30/14
Benefits Accrued from Previous CZM Grants	50%	9/30/14

Task: 43	Hampton Roads Planning District Commission			Current Federal Total:	\$60,000.00
Hampton Roads Technical Assistance Program					
<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start:	End:	Closeout:		
	10/1/2013	9/30/2014	12/31/2014		

Environmental Impact Review. Twenty-three (23) environmental impact assessments/statements and coastal zone consistency determinations were reviewed. This included coordination of local government input and providing comments to DEQ for inclusion in official state positions. Summaries of all projects were provided to the HRPDC.

Public Information and Education. HRPDC staff maintained information on its website and provided regular briefings to local elected officials on the HRPDC Commission, local governing bodies, and to professional and civic organizations. During this period, six (6) entries related to coastal resources management were posted. HRPDC hosted the APA's AICP webinar series (5 sessions) and a training session with the VIMS Center for Coastal Resources Management on Comprehensive Coastal Resource Management Plans.

Regional Coordination Process. HRPDC staff facilitated monthly regional advisory committee meetings addressing wetlands, Chesapeake Bay issues, and other coastal and environmental issues. Through these committees, the localities develop regional consensus on state and federal regulatory and legislative issues, coordinate plans addressing these issues, and exchange information on program activities. During this period, five (5) meetings were held of the Regional Environmental Committee (REC). Topics covered included regional studies and projects, the Chesapeake Bay Program, living shorelines regulations, and stormwater management.

Regional Technical Studies and Assistance. HRPDC staff completed work on a project with the Virginia Association of Counties to map areas in coastal localities that could be vulnerable to changing insurance industry practices concerning real property insurance. Two maps were made for forty-two (42) coastal counties and cities, and a summary document was provided to VACO. HRPDC staff also produced a working waterfronts case study for and assisted in coordinating a VCZMP-funded working waterfronts planning effort. Additional studies are being considered for the remainder of the grant.

Benefits Accrued from Prior CZM Grants. This deliverable will be completed in the second half of the grant year.

Final Products	% Completion	Anticipated Completion Date
EIA/EIS and Coastal Consistency Review	50%	September 30, 2014
Public Information, Education, and Training	50%	September 30, 2014
Regional Coordination Process	50%	September 30, 2014
Regional Technical Studies and Special Projects	10%	September 30, 2014
Benefits Accrued from Prior CZM Grants	0%	September 30, 2014

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VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
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for the period from October 1, 2013 through March 31, 20

Task: 44	Middle Peninsula Planning District Commission	Current Federal Total:	\$30,000.00
Technical Assistance Program			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u> Project Period Open	
Open	Start: 10/1/2013	End: 9/30/2014	Closeout: 12/31/2014

Product #1- Coastal Management Support: MPPDC staff provided ongoing coastal management support to local government elected officials, chief administrative officers, local planning staff, and local planning commission staff. Examples include--MPPDC staff continues work to update the Town of Tappahannock and Essex County Comprehensive Plan. MPPDC staff participated in the Virginia Sea Grant Graduate Research Fellowship program relevancy review process. As a qualified in-state reviewer, staff reviewed and scored 9 proposals. Proposals to be ranked and scored included research on: sand liquefaction, sea level rise, aquaculture and land use, storm resiliency, hurricane impacts, and natural hazard mitigation. Scoring and ranking of proposals included Extremely Relevant to Not Relevant as related to coastal community development issues from the perspective of a coastal planner. MPPDC staff also began exploration and research on behalf of Middlesex County to develop a Middlesex County in-water maritime business park with shore based services to enhance the traditional maritime economy of the county.

Product #2 - Convened Meetings: MPPDC staff convened monthly-quarterly meetings with local government level planners as well as government administrators. Local Government Administrator meetings focused on a variety of topics including emerging and ongoing uses related to 2014 Middle Peninsula Legislative issues under consideration by the General Assembly; the Eastern Virginia Ground Water Management Area regulations (9VAC25-600) and Ground water Withdrawal Regulations (9VAC25-610); Local Stormwater planning requirement and the impact of Senate Bill 423, which grant local governments the option to administer a local program or have DEQ administer stormwater programs requirements. MPPDC staff also convened a local planners meeting where participants discussed various 2014 VA General Assembly Legislation; and oil and gas exploration related to Fracking.

Product #3 – Middle Peninsula Chesapeake Bay Public Access Authority(PAA): MPPDC staff continues to provide direct research and facilitation support for the implementation of the 2012-2013 PAA annual work plan and assists with the development of the 2013-2014 work plan. MPPDC staff assisted the PAA with packaging and assembling the necessary documents to close on two more private land donations in Mathews County. MPPDC staff, jointly with Virginia Sea Grant, issued on January 8th an \$80,000 Request for Proposals for Waterfront Property Reuse & Community Development Plan for the Captain Sinclair's Landing in Gloucester County. Virginia Commonwealth University was selected to provide services.

Final Products	% Completion	Anticipated Completion Date
Coastal Management Analysis and Policy Support	50	September 30, 2014
Local Planning Coordination	50	September 30, 2014
MP CBPAA Work Plan & Public Waterfront Management	50	September 30, 2014
Benefits Accrued from Prior CZM Grants	50	September 30, 2014

Year: 2013

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
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for the period from October 1, 2013 through March 31, 20

Task: 45	Northern Neck Planning District Commission			Current Federal Total:	\$30,000.00
Northern Neck PDC Technical Assistance Program					
<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start:	End:	Closeout:		
	10/1/2013	9/30/2014	12/31/2014		

NNPDC staff conducted a local coordination meeting on December 10, 2013 for local county staff. With the expansion of the Eastern Virginia Groundwater Management Area, localities that have public waterworks have to prepare a groundwater withdrawal application and receive a permit to be compliant. NNPDC staff invited Craig Nicol from the Virginia Department of Environmental Quality's Office of Water Supply to present to the four counties and any interested town staff. Mr. Nicol explained that existing groundwater withdrawal sources that withdraw more than 300,000 gallons a month must register for a withdrawal permit to be compliant with the new regulations. Mr. Nicol went on to explain that the existing grandfathered groundwater users permit were less complicated than new or expanded user permits, and that a pre-application workshop for groundwater withdrawal permitting was scheduled to be held at the Rappahannock Community College in the near future. NNPDC staff conducted the local government coordination meeting after the DEQ training session, with the principal topic being the new Virginia Stormwater Management Program (VSMP) implementation. The deadline for final draft VSMP packages (which consist of the final draft ordinance, local funding and staffing plan and policies and procedures) to DEQ was January 15, 2014, and local government staff discussion focused on the policy and procedures portion of the draft VSMP submittal package. NNPDC staff contacted Lancaster County to determine which road endings in the county they wanted assistance from the NNPDC in determining whether they were publicly owned. Lancaster County staff chose several sites for NNPDC staff to investigate. NNPDC staff have studied the MMPPC Protocol for Landing and Road Ending Acquisitions (VACZM FY05, Task 92.02), and have mapped the road ending locations in order to identify neighboring properties tax parcel numbers for additional research. NNPDC staff have been working with Richmond County staff on ways to improve their Chesapeake Bay Act five year septic pumpout tracking and notification program. Richmond County has gone through one cycle of notification of the five year septic pumpout requirement to all citizens, one magisterial district at a time. Richmond County staff use the most up to date county landbook database, match with the septic pumpout database, and then filter out 1) those in the other magisterial districts, 2) those that are exempt because they have a notified the county of a recent pumpout within five years, or have installed an effluent filter. NNPDC staff will conduct the previously mentioned activities to update the septic database in order to create a mail merge file for mailing out septic pumpout notification letters to citizens in the Farnham Magisterial District this year. NNPDC staff are investigating various LIDAR elevation data sources for Westmoreland County's GIS Enhancement and have begun creating the Westmoreland County Roads wall map. NNPDC conducted the second Northern Neck Land Use Administrator's local coordination Meeting on March 20, 2014, where the topic of the advantages and disadvantages of local opt in for the Virginia Stormwater Program were discussed. NNPDC staff coordinated with NNSWCD and VIMS staff, as well as The Wetlands Project Staff, on planning the Northern Neck Wetlands Summit as a the second training session for local governments, to be held on May 13, 2014.

Final Products	% Completion	Anticipated Completion Date
Coastal Management Support	50%	September 30, 2014
Local Planning and Coordination	38%	September 30, 2014
Richmond County Septic Pumpout Track Program Update	25%	September 30, 2014
Lancaster County VDOT Road Ending Analysis	20%	September 30, 2014
Westmoreland County GIS Enhancement	30%	September 30, 2014
Northern Neck Regional Stormwater Educational Brochures	60%	September 30, 2014
Benefits Accrued from Prior CZM Grants	50%	Septemeber 30, 2014

Year: 2013

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
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Task: 46	Northern Virginia Regional Commission	Current Federal Total:	\$30,000.00
NVRC Coastal Resources Technical Assistance Program			
<u>Project status:</u>	<u>Current approved</u>		<u>Final deliverable(s) status:</u> Project Period Open
Open	Start:	End:	Closeout:
	10/1/2013	9/30/2014	12/31/2014

Coordination & Training:

During the reporting period, Northern Virginia Regional Commission (NVRC) staff coordinated and implemented one rain garden workshop held on November 2, 2013. Through the workshop, 25 participants learned how to design, build, landscape, and maintain small-scale residential rain gardens. NVRC has offered these workshops since 2006 and they have proven to be instrumental in providing technical expertise and resources to support the application of innovative stormwater management practices on private properties. Additionally, the workshops serve to educate local government staff on designing residential rain gardens. Landscape contractors, local stormwater engineers, land use planners, and members of the public attended the workshop that occurred during this reporting period. www.novaregion.org/raingardens

NVRC staff also coordinated a partnership between the Friends of Dyke Marsh and National Park Service to apply for a grant from the National Fish and Wildlife Federation to restore the Dyke Marsh tidal ecosystem and protect the Potomac River Shoreline from impacts associated with sea level rise and storm surge.

Special Project – Northern Virginia Clean Water Partners:

During this reporting period, the Northern Virginia Clean Water Partners initiated their annual Only Rain Down The Storm Drain campaign. The partners decided to continue to air stormwater pollution reduction commercials on cable television. Five 30-second ads that feature rubber duckies were selected to continue to illustrate the importance of picking up pet waste, reducing fertilizer application and implementing other general household stormwater pollution reduction measures. One ad was translated into Spanish and is airing on several Spanish language networks. The campaign will also feature banner ads on Xfinity.com and 390 taggable spots. These ads are expected to reach approximately 400,000 Northern Virginia residents and fulfill the outreach and education requirements of the jurisdictions' MS4 permits.

A post-campaign survey will be conducted of 500 northern Virginia residents to measure the effectiveness of the campaign. A summary report for the campaign, including the number of people who viewed the ads, will be prepared and distributed to the Partners in September 2014 for inclusion in their annual MS4 reports. <http://www.onlyrain.org/>

In addition, the Northern Virginia Clean Water Partners welcomed two new members, Northern Virginia Community College and Fairfax County Public Schools.

EA/EIS/EIR Reviews:

Since October 2013, NVRC staff have reviewed and commented on 2 EIR requests across the region.

Final Products	% Completion	Anticipated Completion Date
Annual Report – NoVA Coastal Resources TA Program	50%	September 30, 2014
Summary of Regional Stormwater Education Campaign	50%	September 30, 2014
Benefits Accrued from Previous CZM Grants	50%	September 30, 2014

Year: 2013

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
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for the period from October 1, 2013 through March 31, 20

Task: 47	George Washington Regional Commission	Current Federal Total:	\$30,000.00
GWRC Coastal Technical Assistance			
<u>Project status:</u>	<u>Current approved</u>		<u>Final deliverable(s) status:</u> Project Period Open
Open	Start:	End:	Closeout:
	10/1/2013	9/30/2014	12/31/2014

Kickoff meeting was held October 1; in attendance were Kevin Byrnes, GWRC; David Nunnally, Caroline County; Jacqueline Gallagher and Steve Hanna, University of Mary Washington (UMW); Doug and Ross Pickford, Conservation Concepts. The primary purpose of the meeting was to introduce the Conservation Concepts team to the University of Mary Washington team, as Kevin Byrnes is slated for retirement and Conservation Concepts was taking on the management of the project. Mr. Byrnes distributed copies of a preliminary Excel spreadsheet of County BMPs that had been previously developed by GWRC. Mr. Byrnes then discussed the timeline. It was agreed by all parties that the timeline seemed reasonable and doable, even with Mr. Byrnes' impending departure. Conservation Concepts agreed to meet with Caroline County to develop a more detailed scope of work and timeline for UMW implementation during the winter/spring months of the project.

On November 14th Dave Nunnally, Caroline County staff and Doug and Ross Pickford of Conservation Concepts, met to discuss next steps in coordinating the scope of work for implementing the development of a GPS based database of BMPs. A preliminary list of BMP sites was identified by County staff (approximately 80 BMPs). Caroline County staff and the consultants then discussed the development of some information on gathering protocols that could be utilized by Mary Washington (MWU) faculty to help with the direction of the student's work in the field. An instructional sheet and an information gathering template will be produced by the consultants with input from County staff. It was determined that at the very least, the following information would be collected during field work: Location of inflows and outflows; size of facility; a qualitative assessment of condition and comments supporting such evaluation; identification of any clogging or structural failures; and date stamped pictures of each site.

Conservation Concepts and Caroline County staff met with the MWU class (GEO 355) on February 13, 2014 to discuss the project specifics. Conservation Concepts provided an overview of the CZM program, explaining its purpose, objectives and goals. The consultants also provided an overview of BMPs, their purpose, how they function, and usefulness in managing stormwater. Caroline County staff discussed the specific sites that would be included in the survey and explained how to read site plans for stormwater management purposes. An attribute table was developed based on the previous assessments and class participation. On March 13, 2014, County staff, the consultant, and the entire Geo 355 class and faculty conducted fieldwork at Maury Heights subdivision in Caroline County. Seventeen students participated in conducting assessments on 3 BMP sites.

The GWRC coordination/training meeting forums were held 4 times between October 1, 2013 and March 31, 2014. The meetings were attended by local environmental planners, MS4/stormwater program managers/staff and/or planning directors, development review personnel, Rappahannock River Basin Commission and Soil & Water Conservation Districts and Friends of the Rappahannock staff, and the consulting team.

Final Products	% Completion	Anticipated Completion Date
Quarterly coordination/training	50	September 30, 2014
BMP Database for Caroline County	50	September 30, 2014
BMP Retrofit Plan for dilapidated/non-conforming BMP	20	September 30, 2014

Year: 2013

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
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for the period from October 1, 2013 through March 31, 20

Task: 48	Richmond Regional Planning District Commission	Current Federal Total:	\$30,000.00
Richmond Regional PDC Technical Assistance Program			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u> Project Period Open	
Open	Start: End: Closeout:		
	10/1/2013 9/30/2014 12/31/2014		

Technical Assistance - RRPDC staff processed 8 Intergovernmental Reviews and 35 Environmental Reviews.

Coordination and Training – RRPDC staff hosted 2 Environmental Technical Advisory Committee (ENV TAC) meetings from October 2013 through March 2014. On January 24, RRPDC staff hosted an ENV TAC meeting. Chuck Gates, RRPDC’s Communications Coordination and Legislative Liaison, provided attendees an update on relevant legislation in the General Assembly. The remainder of the meeting was a roundtable discussion of local stormwater program development among locality staff. On March 14, RRPDC hosted an ENV TAC meeting. Walter Gills, Virginia Department of Environmental Quality (DEQ), joined via conference call to discuss the Stormwater Local Assistance Fund (SLAF). Mr. Gills reviewed the FY14 selection process and provided guidance for the FY15 round. Locality staffs participated in discussion about the development of local stormwater programs in light of recent legislation passed by the Virginia General Assembly. There was consensus to develop a regional Stormwater Pollution Prevention Plan (SWPPP) template that could be used across the Region by localities operating their own stormwater program.

Existing Land Use Layer Update and Midlothian Corridor Analysis as Prototype for Other Underutilized Corridors Existing Land Use - Beginning in May of 2014, RRPDC staff will begin to update the regional existing land use inventory, relying on an intern from the University of Richmond supervised by PDC staff. Based on the last existing land use layer, the intern will analyze each and every parcel in the region to look for change, and register the new land use if necessary. Updating the existing land use dataset is a crucial element to being able to track land use changes in the region, which is a significant element to being able to advocate for more sustainable land use patterns.

Midlothian Corridor – RRPDC staff has gathered data from numerous sources and are working to present the information in an existing conditions summary for a final report on the Corridor. RRPDC staff has also met with staff from the City of Richmond to review existing constraints and opportunities and discuss recommendations for the corridor. Recommendations will include incentives for reducing impervious surface, integrating recreational features such as greenway and trail facilities into the urban fabric.

Groundwork RVA - 2014 meetings: Full board: Jan 28th, Feb 25th, March 25th; Projects Committee: March 4th, March 18th; Projects Committee Planning Session: March 23rd
RRPDC staff attended full board meetings of Groundwork RVA, Projects Committee meetings and a planning session for the Projects Committee. Staff has quickly become an integrated and reliable member of the team, and is assisting other board members and the executive director to prioritize projects, plan for distribution of resources, and streamline the organization's processes.

Final Products	% Completion	Anticipated Completion Date
Technical Assistance	50%	September 30, 2014
Coordination and Training	50%	September 30, 2014
Existing Land Use & Midlothian as Prototype	65%	September 30, 2014
Benefits Accrued from Prior CZM Grants	50%	September 30, 2014

Year: 2013

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
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for the period from October 1, 2013 through March 31, 20

Task: 49	Virginia Aquarium and Marine Science Center Foundation	Current Federal Total:	\$31,000.00
Virginia Sea Turtle and Marine Mammal Stranding Network			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start: End: Closeout:		
	1/1/2014 12/31/2014 3/31/2015		

This grant officially started on January 1, 2014. During the period from January through March 2014, the Virginia Aquarium Stranding Response Program (VAQS) recorded 17 strandings in Virginia. There were 36 strandings recorded during the same period in 2013.

The VAQS Stranding Team responded to 11 marine mammal strandings in Virginia during this reporting period, eight cetaceans and three pinnipeds. Six (55%) of the strandings were located in Virginia Beach and five (45%) were located on Virginia's Eastern Shore. The cetacean species included four common dolphin (*Delphinus delphis*), three harbor porpoise (*Phocoena phocoena*) and one fin whale (*Balaenoptera physalus*). There were three pinniped species, one harbor seal (*Phoca vitulina*), one harp seal (*Pagophilus groenlandicus*) and one gray seal (*Halichoerus grypus*). One of the harbor porpoise stranded alive and had significant scavenger damage by the time the stranding team arrived - it was euthanized on the beach. The harp seal stranded alive but died on the beach. The gray seal stranded alive, was successfully recovered, and was later transferred to Mystic Aquarium (Connecticut) to complete its rehabilitation. The winter season was again very active for large whales, and many individuals were identified in the coastal waters off Virginia Beach.

There were six sea turtle strandings recorded in Virginia during this reporting period, compared with 24 during the same period in 2013. The sea turtle species included three loggerheads (*Caretta caretta*), one Kemp's ridley (*Lepidochelys kempii*) and two greens (*Chelonia mydas*). All of the stranded sea turtles were dead when they were found. The severe winter weather of this year when compared to 2013's very mild winter seems to have had a tremendous impact on the survival of cold-stunned sea turtles. In 2013, we had numerous cold-stunned sea turtle cases in Virginia, and many animals were successfully recovered and rehabilitated. By January of 2014, water temperatures were significantly lower than the previous year and, as a result, no live sea turtles were recovered during this period.

VAQS Staff attended seven professional meetings and workshops and made several formal presentations during this reporting period. There were also educational and/or training presentations by Stranding Team members to groups in the Hampton Roads area and to stranding network cooperators. Grant funded VAQS staff worked more than 500 hours, and Stranding Team volunteers contributed more than 2,000 hours to the stranding response program during this reporting period. A detailed list of all trainings, presentations and publications will be included in the final report.

Final Products	% Completion	Anticipated Completion Date
Stranding Response Data Sharing and Reporting	25 %	December 31, 2014
Personnel and Cooperator Training Activities	15 %	December 31, 2014
Public Education and Outreach Activities	20 %	December 31, 2014

Task: 50	TBD	Current Federal Total:	\$136,000.00
PDC Competitive Grants			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Funds Transferred Out of Task
Pending	Start: End: Closeout:		
	10/1/2013 9/30/2014 12/31/2014		

Four PDCs were awarded grants through this competitive selection process (Tasks 51 – 56). Reprogrammed funds were used to supplement this process leaving \$10,873 remaining in this task. These remaining funds will be reprogrammed this spring.

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM

Year: 2013

**Performance Report, Section A, for Cooperative Agreement No. NA13NOS4190135
for the period from October1, 2013 through March 31, 20**

Task: 51	Middle Peninsula Planning District Commission	Current Federal Total:	\$40,000.00
Preserving Aberdeen Creek Working Waterfronts: Survey and Study of Dredging, Working Waterfront Infrastructure and Financial Need			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start: End: Closeout:		
	10/1/2013 9/30/2014 12/31/2014		

Product #1: Utilizing Tax Increment Financing (TIF) as a strategy to generate revenue to fund future dredging projects
MPPDC staff drafted and presented a contract and statement of work to Virginia Sea Grant for the recruitment of a Fellow to assist with the tax analysis portion of the project. MPPDC staff reviewed a draft Virginia Sea Grant (VASG) request for an internship to assist the MPPDC with a cost and feasibility study. MPPDC staff communicated with Virginia localities including Robert Brosnan, Arlington County Director, Community Planning, Housing and Development regarding their TIF programs and received information on the process used for adopting policies and implementing the programs. MPPDC staff researched the state legislative code that authorizes Virginia localities to adopt tax increment financing and provides guidelines for administration of TIF policies. MPPDC staff researched the impacts of the various zoning and use changes to property values in relation to Tax Increment Financing revenue generation. MPPDC staff consulted with Derrick Green, Gloucester County Tax Assessors Office, to determine the factors used to calculate property values and tax assessment of the Gloucester Seafood property on Aberdeen Creek.

Product #2 : Aberdeen Creek Historic Shoreline Change
MPPDC staff submitted a contract for services to the Virginia Institute of Marine Science (VIMS) Shoreline Studies Program for their assistance with inventorying geophysical attributes within the Aberdeen Creek TIF Program study area in Gloucester County. MPPDC executed sub contracts for technical assistance work from the VIMS Shoreline Studies Program to help assess the technical, geophysical, and cost aspects of Aberdeen Creek dredging and financing effort.

Product #3: Assess Aberdeen Creek waterfront infrastructure
MPPDC staff conducted a preliminary inventory of the existing public infrastructure along Aberdeen Creek and ownership/maintenance responsibilities for the infrastructure. The infrastructure consists of a public landing with a dock and slips used by local waterman, which is deteriorating and requires repair. Maintenance responsibilities for the infrastructure are unclear.

Product#4: Survey the navigation channel and determine dredge placement options
MPPDC staff executed a signed contract with statement of work with Virginia Institute of Marine Science for bathymetric contours and sediment sampling to determine the depth and volume of dredging and the types of materials in the channel along the Aberdeen Creek area and options for placement of dredging materials.

Product #5: Aberdeen Creek navigation channel and associated Working Waterfront Plan
MPPDC staff has executed a contract with VIMS for an analysis of shoreline changes, assessment of public infrastructure needs and determination of dredge material placement options. Results of the analysis will be included in the final product.

Final Products	% Completion	Anticipated Completion Date
Utilizing TIF Study	50%	September 30, 2014
Aberdeen Creek Shoreline Change	25%	September 30, 2014
Aberdeen Creek Infrastructure	75%	September 30, 2014
Navigation Channel Dredge Options	10%	September 30, 2014
Aberdeen Creek WWF Plan	0%	September 30, 2014

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM

Year: 2013

**Performance Report, Section A, for Cooperative Agreement No. NA13NOS4190135
for the period from October 1, 2013 through March 31, 20**

Task: 52	Middle Peninsula Planning District Commission	Current Federal Total:	\$16,798.00
Middle Peninsula Water Reuse Study			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start: End: Closeout:		
	10/1/2013 9/30/2014 12/31/2014		

Product #1: Research and Assess Water Reuse: Middle Peninsula Planning District Commission (MPPDC) staff conducted preliminary research on water reuse/reclamation. Examples of national and local reclamation projects have been gathered. MPPDC staff has corresponded with the Director of Public Utilities in New Kent County, Virginia to discuss the county's 2011 Water Reclamation/Reuse System. This project stemmed from the personal interest of the Director, and while not initially supported by the Board of Supervisors, the project has gained BOS support and has been successfully distributing reclaimed water to three end users (ie. two golf courses for irrigation and the Colonial Downs Racetrack for dust control) for three years. In addition, MPPDC staff reached out to the National Sea Grant Law Center to inquire about any water reuse/reclamation white papers they may have written. However, to date the Law Center has not done specific research on water reuse.

Product #2: Water Reuse Stakeholder Committee: MPPDC staff hosted the first meeting of the Water Reuse Steering Committee on March 11, 2014. At this meeting, Ms. Valerie Rourke, Virginia Department of Environmental Quality Water Reclamation and Reuse and Land Treatment Agency Coordinator, gave a presentation about the Commonwealth's Water Reclamation and Reuse Regulations (9VAC25-740). Ms. Rourke reviewed the types of use for reclaimed water and the level of treatment needed for each. The Committee asked questions and discussed the importance of this technology, particularly as groundwater supplies are declining. Additionally, some Committee members acknowledged that the regulations did not encourage water reuse/reclamation and that the permitting process is extremely arduous. Following discussions, the Committee suggested developing recommendations for large scale development and how water reuse can be utilized. They also mentioned that educational outreach to staff, Board of Supervisors/Town Councils and developers is important in order for them to understand the water reuse and reclamation technology. The next meeting will take place in May 2014.

Final Products	% Completion	Anticipated Completion Date
Research and Assess Water Reuse	40%	Aug 2014
Water Reuse Stakeholder Committee	40%	September 2014

Task: 53	Accomack-Northampton Planning District Commission	Current Federal Total:	\$16,667.00
Eastern Shore Transportation Infrastructure Inundation Vulnerability Assessment			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start: End: Closeout:		
	10/1/2013 9/30/2014 12/31/2014		

ES TIIVA Data

A-NPDC has conducted research of similar studies performed by state and federal agencies including the Florida DOT and the USFWS and discussed methodologies with several of these project leads. GIS data for the NOAA inundation models and VDOT roadway data has been compiled.

ES TIIVA Report

A-NPDC has developed a report outline and defined a draft GIS protocol for evaluating inundation vulnerability. A-NPDC has compiled information from the Virginia Recurrent Flooding Study, which will serve as basis for the suggestions for the timing of inundation from sea level rise.

ES TIIVA Government and Community Engagement

A-NPDC has briefed the A-NPDC Board and the ES Rural Technical Transportation Advisory Committee with a summary of the project and desired project outcomes to attempt to engage critical stakeholder groups from the onset. Staff has held initial discussions with the VA Dept. of Transportation regarding the project. VDOT has expressed extensive interest in being involved in the project and has asked to partner with A-NPDC. A meeting has been planned for 4/16/2014 with VDOT to discuss and reach consensus on the GIS protocol. Once a consensus protocol is reached, VDOT and A-NPDC staff will work together to complete the inundation vulnerability assessment. VDOT has also expressed interest in potentially using the ES TIIVA as a pilot project for other communities in Virginia's coastal zone.

Final Products	% Completion	Anticipated Completion Date
ES TIIVA Data	25%	September 30, 2014
ES TIIVA Report	10%	September 30, 2014
ES TIIVA Government & Community Engagement	25%	September 30, 2014

Year: 2013

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA13NOS4190135
for the period from October 1, 2013 through March 31, 20

Task: 54 Hampton Roads Planning District Commission Current Federal Total: \$19,834.00
Hampton Roads Sea Level Rise Planning and Technical Assistance

<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start:	End:	Closeout:		
	1/1/2014	12/31/2014	3/31/2015		

Sea Level Rise Inundation Map Update. HRPDC staff has researched various methodologies to be considered for the next series of inundation maps. These maps will be created using new LIDAR elevation data (expected delivery is April 2014).

Sea Level Rise Adaptation Technical Working Group. HRPDC staff has identified several researchers and subject matter experts to potentially participate in the working group. The Hampton Roads Planning District Commission voted on March 20, 2014, to establish a special committee on flooding and sea level rise. The committee will initially be composed of local government representatives; additional representatives from other agencies or stakeholders may also be invited. The committee has three missions:

- 1) Develop recommendations for local governments.
 - 2) Advocate for state and federal support.
 - 3) Serve as the primary regional contact to coordinate efforts with federal agencies and academic institutions.
- Locality Chief Administrative Officers have been asked to designate official members and alternates to the committee.

Sea Level Rise Analysis Case Studies. HRPDC staff is working with localities to identify useful and appropriate locations and scenarios for case study analysis.

Adaptation Technical Assistance to Local Governments. HRPDC staff is working with localities to identify planning needs related to sea level rise and flooding.

Public Outreach/Education and Coordination. HRPDC staff has made several presentations on local and regional efforts to prepare for sea level rise and flooding (outreach and education) and has also coordinated with other institutions on various efforts, including grant applications and general government-academic-stakeholder collaboration.

Final Products	% Completion	Anticipated Completion Date
Sea Level Rise Inundation Map Update	5%	December 31, 2014
Sea Level Rise Adaptation Technical Working Group	30%	December 31, 2014
Sea Level Rise Analysis Case Studies	10%	December 31, 2014
Adaptation Technical Assistance to Local Governments	10%	December 31, 2014
Public Outreach/Education and Coordination	50%	December 31, 2014

Year: 2013

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA13NOS4190135
for the period from October 1, 2013 through March 31, 20

Task: 55	Hampton Roads Planning District Commission			Current Federal Total:	\$19,651.00
Developing a Native Plants Promotion Strategy for Hampton Roads					
<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start:	End:	Closeout:		
	1/1/2014	12/31/2014	3/31/2015		

HRPDC staff has been networking with various interested stakeholders in the region. This includes meetings with individuals to develop the beginnings of a needs assessment for the region. Initial research indicates varied levels of interest from the native plant and retail communities.

In addition, askHRgreen.org environmental education initiatives for the spring gardening season have included the importance of native plants in a sustainable landscape. Examples of newly added information can be found via the following links:

- <http://askhrgreen.org/work-smarter-not-harder/>
- <http://askhrgreen.org/native-plants/>
- <http://askhrgreen.org/native-plants-to-hampton-roads-the-chesapeake-bay-watershed/>
- <http://askhrgreen.org/native-plants-shoreline-list/>
- <http://askhrgreen.org/virginia-native-plant-society/>
- <http://askhrgreen.org/lawn-care-providers/>
- <http://askhrgreen.org/wp-content/uploads/media-toolkit/digital-ads/askHRgreen-think-before-fertilizing.jpg>
- <http://askhrgreen.org/wp-content/uploads/media-toolkit/digital-ads/askHRgreen-lawn-tips.jpg>

The information links local watershed groups and other stakeholder efforts in promoting native plants. In addition, the new online toolkit provides graphics for use by stakeholders, homeowners associations, etc. to enlist their assistance in promoting a smart landscaping message.

Final Products	% Completion	Anticipated Completion Date
Hampton Roads Native Plants Stakeholder Group/Steering Committee	10%	December 31, 2014
Hampton Roads Native Plants Needs Assessment	15%	July 31, 2014
Hampton Roads Native Plants Strategic Plan	0%	December 31, 2014

Year: 2013

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA13NOS4190135
for the period from October 1, 2013 through March 31, 20

Task: 56	Northern Virginia Regional Commission	Current Federal Total:	\$12,177.00
Site Selection and Design of a Conservation Landscaping Workshop			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Period Open
Pending	Start: End: Closeout:		
	1/1/2014 9/30/2014 12/31/2014		

Workgroup

During this period, NVRC staff has identified stakeholders to form the collaborative workgroup. Stakeholder groups include Arlington County, Northern VA Soil and Water Conservation District, George Mason University, Chesapeake Stormwater Network, Northern VA Conservation Trust, Wetlands Watch, Chesapeake Conservation Landscaping Council, City of Falls Church, Fairfax County Restoration Project and VA Native Plant Society.

The City of Falls Church has begun an incentive program for property owners to reduce their stormwater fees by removing turf or hardscape and installing rain gardens or conservation landscaping. Arlington County has a similar program called Stormwater Wise Landscapes. Second, NVRC is also working with George Mason University and the University of Berlin under a Science and Technology agreement and Transatlantic Urban Climate Dialogue to review and assess the effect and performance of green infrastructure planning and evaluate the potential for transfer and application of green infrastructure practices between US and German cities.

Site Selection and Analysis

NVRC staff has compiled spatial GIS data that will be used to select the site. Local jurisdictions and Northern VA Conservation Trust would like to work with NVRC on this also since land conservation can be used to reduce stormwater fees. The Analysis will focus on how NVRC can use the Conservation Corridors plan to target the placement of conservation landscaping practices to achieve multiple benefits and increase effectiveness at treating stormwater and air pollution and bridge gaps in the corridors.

Conservation Landscaping Technical Design Workshop

During this period, NVRC staff has lined up several speakers to conduct the workshop. The Chesapeake Stormwater Network staff, Arlington County staff, and Northern Virginia Soil and Water Conservation District staff have all agreed to develop presentations to give at the workshop and help advertise the workshop. The workshop has been scheduled for June.

306 A Documentation

NVRC staff has reviewed the 306A documents that will be completed when the site is selected.

Final Products	% Completion	Anticipated Completion Date
Workgroup Outcome Report	10%	September 30, 2014
Site Selection and Analysis Report	10%	September 30, 2014
Workshop	20%	September 30, 2014
306A Documentation	5%	September 30, 2014

Year: 2013

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA13NOS4190135
for the period from October 1, 2013 through March 31, 20

Task: 81	Virginia Aquarium and Marine Science Center Foundation	Current Federal Total:	\$45,000.00
Monitoring Marine Debris in Virginia's Coastal Zone			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start: End: Closeout:		
	1/1/2014 3/31/2015 6/30/2015		

Project activities consisted of preparation for beach surveys in April. The survey coordinator (Christina Trapani) was contracted and two meetings were held at the Virginia Aquarium (VAQ) to begin the planning process. Project coordination discussions included VAQ, Clean Virginia Waterways (CVW) and the survey coordinator. Four study sites were selected: Back Bay National Wildlife Refuge (BBNWR), Little Creek Navy Base, Fisherman Island National Wildlife Refuge (FINWR) and Chincoteague National Wildlife Refuge (CNWR). Research permits were secured for the three National Wildlife Refuge sites. Permission to access the Navy Base was not approved, but an alternative beach area at Grandview Nature Preserve (GNP) was chosen to be the fourth study site. Two of the research sites (CNW and BBNWR) were selected partly because of their participation in the 2001-07 National Marine Debris Monitoring Program (NMDMP).

Project supplies were purchased, including a digital camera, gps unit, clipboards, work gloves, water and food coolers, Rite-in-Rain paper and wooden site markers. CVW provided a measuring wheel and VAQ provided a hanging scale. Surfrider Foundation donated 20 reusable malt bags sourced from a local brewery to be used as the project's collection bags. The survey coordinator began recruiting volunteers and an application was created. Contacts were made with the VAQ Stranding Response Team, Surfrider Foundation, Lynnhaven River Now, Tidewater and Eastern Shore Chapters of the Virginia Master Naturalists, Eastern Shore Waste Watchers, Back Bay Restoration Foundation and BBNWR. A volunteer training is scheduled to be held at BBNWR on April 13th. Katie Register (CVW) and Trapani completed site selection on Fisherman Island on March 27th with the assistance of Pam Denmon, biologist for FINWR. They chose a site that was least likely to be used by shore birds for nesting (see attachment). On March 28th, Mark Swingle (VAQ), Register and Trapani travelled to CNWR and met with their biology staff regarding site selection. Shore bird and sea turtle nesting were considered and a northern site that was less likely to have nests was selected (see attachment). Site characterization datasheets were completed and each study site was photographed. Site selection at GNP and BBNWR were completed in the first week of April (maps included in attachment). Project researchers familiarized themselves with two NOAA documents: "Shoreline Survey Field Guide" and "Marine Debris Monitoring and Assessment: Recommendations for Monitoring Debris Trends in the Marine Environment." The team also established an account in NOAA's Marine Debris Monitoring and Assessment Project Field Survey Data Collection Site (<http://md-map.net>).

Final Products	% Completion	Anticipated Completion Date
Program Set-up	90%	April 30, 2014
Data Collection	0%	September 30, 2015
Data Management & Analysis	0%	December 31, 2015
Final Report	0%	March 31, 2016

Task: 92	Virginia Institute of Marine Science	Current Federal Total:	\$47,000.00
Developing a Working Waterfronts Plan for Virginia's Coastal Zone; Year 3			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start: End: Closeout:		
	10/1/2013 9/30/2014 12/31/2014		

Economic assessment has been completed for seafood unloading facility and a draft report prepared. The facility, L.D. Amory & Company of Hampton, Virginia, participated in the economic assessment of its seafood unloading, processing and distribution center. Additional case studies are identified with the relevant PDCs. Discussions are underway with the aquaculture industry regarding a similar study of Willis Wharf, and the marine repair business at AMPRO Shipyard in Weems, Virginia.

Communication with PDCs and community stakeholders was expanded and culminated in the successful February 26th workshop held at VIMS and ESCC. A workshop summary report detailing "The Sense of the Workshop" has been drafted and submitted to VCP and collaborators for review.

An extension on implementing the entire suite of economic impact assessments may be requested in order to maximize PDC and stakeholder input and relevance of the sites to be studied.

Final Products	% Completion	Anticipated Completion Date
WWF Economic Assessments	25%	tbd
Expanded Communication	75%	9/30/14
Development of Plan and tools for WWF retention	20%	9/30/14

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM

Year: 2013

**Performance Report, Section A, for Cooperative Agreement No. NA13NOS4190135
for the period from October 1, 2013 through March 31, 20**

Task: 93.01 Virginia Institute of Marine Science - Center for Coastal Resources Management		Current Federal Total: \$126,500.00
Shoreline Management Planning		
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u> Project Period Open
Open	Start: 10/1/2013 End: 9/30/2014 Closeout: 12/31/2014	

Progress during the first 6 months of this project has included:

Delineation of digital tidal shoreline and tidal marsh boundaries for James City County using heads up digitizing techniques and high resolution imagery from 2011.

Shoreline Management Model for Charles City County was run. Outputs for that model run have been included in the county's Comprehensive Coastal Resource Management Portal (<http://ccrm.vims.edu/ccrmp/charlesciti/index.html>).

Shoreline Management Model for Fairfax County was run. Outputs for that model run have been included in the county's Comprehensive Coastal Resource Management Portal (<http://ccrm.vims.edu/ccrmp/fairfax/index.html>).

Aerial imagery to be used in the historic mapping portion of the Northumberland County Shoreline Evolution Report has been rectified and digitizing of historic shoreline has begun.

Most of the aerial imagery for Fairfax County has been received and shorelines are being digitized. The historical photos still need to be orthorectified, and then they will be digitized

Final Products	% Completion	Anticipated Completion Date
Shoreline Inventory James City County	25%	September 30, 2014
Northumberland County Shoreline Evolution Report	50%	September 30, 2014
Fairfax County Shoreline Evolution Report	35%	September 30, 2014
Charles City County Shoreline Management Plan	60%	September 30, 2014
Fairfax County Shoreline Management Plan	60%	September 30, 2014

Task: 94.01 Hampton Roads Planning District Commission		Current Federal Total: \$84,600.00
Land & Water Quality Protection in Hampton Roads		
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u> Project Period Open
Open	Start: 10/1/2013 End: 9/30/2014 Closeout: 12/31/2014	

Between October 1, 2013 and March 31, 2014, HRPDC staff made progress on both deliverables for the third year of this grant project. HRPDC staff made two (2) briefings to local government staff at meetings of the Hampton Roads Regional Environmental Committee (REC). HRPDC also hosted a planner from the Middle Peninsula Planning District Commission for a briefing on its Section 309-funded work at a Regional Environmental Committee meeting. HRPDC staff also participated in a conference call with the Chesapeake Bay Program to discuss how this grant project was assisting HRPDC member localities in implementing the Chesapeake Bay TMDL. HRPDC staff also met with staff from Norfolk. The purpose of this meeting was to update city staff on the project's status, go over findings from the second year, and discuss potential policies and areas to focus on for implementation. These included changes to parking ordinances, promoting open space preservation and acquisition (in conjunction with the city's floodplain management and stormwater management programs), and incorporating stormwater best management practices recommended for the coastal plain into the city's developer manual. Incorporating changes to the city's landscaping ordinances into a GIS model was also discussed.

Final Products	% Completion	Anticipated Completion Date
Implementing Water Quality Best Practices and Policies	40%	September 30, 2014
Modeling Developing Impacts for Use in Comprehensive Plans	40%	September 30, 2014

Year: 2013

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA13NOS4190135
for the period from October 1, 2013 through March 31, 20

Task: 94.02	Middle Peninsula Planning District Commission	Current Federal Total: \$47,022.00	
Land and Water Quality Protection in Middle Peninsula Phase III			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u> Project Period Open	
Open	Start: 10/1/2013	End: 9/30/2014	Closeout: 12/31/2014

Product #1 – Master Project Report

Product #2 – Sustainable Septic Repair Funding Model - MPPDC Staff executed a contract with the Virginia Policy Clinic to provide a study, including a review and assessment of examples of existing septic repair programs, including sources of funding, legal issues, programmatic issues, administration, and recommendations on the establishment of entities that could receive funding not currently available to MPPDC such as public/private partnerships, nonprofit corporations or sanitation districts. MPPDC staff have scheduled a meeting with DEQ staff to discuss funding options for the MPPDC septic repair program. MPPDC staff submitted proposals to several local foundations to provide for small grants to local low income homeowners.

Product #3 – Sustainable Ditching Maintenance Model - MPPDC Staff executed a contract with the Virginia Policy Clinic to produce a white paper identifying any federal and state programs that exist to assist local governments and citizens with addressing ditching problems to include a list of the different types of assistance available, type of assistance available and how to gain access to such assistance.

The Virginia Coastal Policy Clinic (VCPC) has conducted background research to identify the legal and financial aspects of sustaining permanent funding sources to address septic repairs and rural storm water ditch maintenance. Specifically, VCPC has developed a robust outline incorporating this research and plans for a first draft of the study and white paper to be developed by April 1, 2014. VCPC is also currently contacting individuals identified with potential funding sources in order to verify program and funding availability.

Final Products	% Completion	Anticipated Completion Date
Master Project Report	0%	September 15, 2014
Sustainable Septic Repair Funding Model	40%	August 31, 2014
Sustainable Ditching Maintenance Model	33%	August 31, 2014

Task: 95.01	Dept. of Environmental Quality - Virginia Coastal Zone Management Program	Current Federal Total: \$81,884.00	
Virginia Ocean Plan			
<u>Project status:</u>	<u>Current approved</u>	<u>Final deliverable(s) status:</u> Project Period Open	
Open	Start: 10/1/2013	End: 9/30/2014	Closeout: 12/31/2014

For the grant reporting period, the Environmental Scientist/Analyst with the Virginia Commonwealth University Center for Environmental Studies in the Department of Life Sciences continued to serve as the Ocean Planning Stakeholder Engagement Coordinator of the eight sectors to develop the Virginia portion of the Mid-Atlantic Regional Council on the Ocean (MARCO) Mapping and Planning Portal. MARCO identified the sectors: offshore and alternative energy; commercial fisheries; recreational fisheries; recreational users and conservation groups; ports, shipping and navigation; tourism; Defense/ Navy; and other (sand mining, Marine Trades, etc).

The Environmental Scientist continued participating in the weekly MARCO Board meetings and participated in the MARCO Ocean Planning Action Team. Meetings with the Monmouth Project Team to determine the process to engage the commercial fishing community and the development of a Stakeholder Liaison Committee have advanced the efforts of the Mid-Atlantic Regional Planning Body. The first meeting of the SLC was held in Washington, DC on March 10, 2014 and initiated the process to understand how to best reach the constituents within each sector from the representatives on the SLC. The Environmental Scientist continued to coordinate to develop an outreach strategy that combines the efforts of the Monmouth Team with that of the VA efforts to engage the commercial sector in a meaningful manner. The approach is to combine both the Portal discussions with that of Ocean Planning off the coast of VA, in general. This task continued to work toward the development of mapping products that would refine the VTR and VMS data for use in the portal to represent the activities of the Commercial Sector. The VTR and the VMS data is processed through the Rutgers's University Communities at Sea approach to understand the port of call and ocean resources of value to commercial fishers. The Environmental Scientist worked with both staff from Rutgers and the Nature Conservancy. The VCU Environmental Scientist attended the December 12, 2013 Mid-Atlantic Fisheries Management Council Meeting and the BOEM and MAFMC joint meeting on Wind area citing in Baltimore on February 6, 2014 to advance the development of Commercial fisheries contacts and context off the coast of Virginia.

This reporting period also began to advance the Marine Debris Reduction Plan implementation. The VCU Environmental Scientist worked closely with the Longwood University and the Clean VA Waterways Program to identify the steps toward implementation of the Plan.

Final Products	% Completion	Anticipated Completion Date
Report on Stakeholder Engagement to Document Needs and Goals of VA users	30%	Oct, 2014
Report on the Marine Debris Plan Adoption and Initial Implementation	25%	Oct, 2014

Year: 2013

VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM
Performance Report, Section A, for Cooperative Agreement No. NA13NOS4190135
for the period from October 1, 2013 through March 31, 20

Task: 95.02 Virginia Aquarium and Marine Science Center Foundation Current Federal Total: \$63,994.00
Offshore Energy Planning: Documenting Location of Megafauna off Virginia's Coast

<u>Project status:</u>	<u>Current approved</u>			<u>Final deliverable(s) status:</u>	Project Period Open
Open	Start:	End:	Closeout:		
	1/1/2014	12/31/2014	3/31/2015		

This project is an extension of a previously funded project titled: Documenting whale migration off Virginia's Coast for Use in Marine Spatial Planning (NA12NOS4190027; Task 1). Due to poor weather conditions that restricted surveys in the winter of 2013-14, the previous marine spatial planning project will be continued until May 2014. This offshore energy planning project (NA13NOS4190135) will begin after surveys are completed for the previously funded project. As such, we have not yet conducted any surveys or collected data for this project and request that our timeline be adjusted by six months. Data collection will begin in the summer of 2014 and will likely continue to Dec 2014. We are in the process of requesting an extension for this work.

For this project, the Virginia Aquarium Foundation (VAQF) has completed a contractual agreement with collaborators at UNC Wilmington. VAQF observers have received dunk training that is required for flight operations and have initiated aerial survey training.

Final Products	% Completion	Anticipated Completion Date
Contractual agreement with UNCW	100%	
Conduct surveys	0%	Dec 2014
Analyze data	0%	Jan 2015
Complete final report	0%	Jan 2015